

ANNETTE ISLAND	AK	WMO No. 703980
Latitude = 55.03 N		Elevation = 112 feet
Longitude = 131.50 W		Average Pressure = 29.79 inches Hg
Period of Record = 1973 to 1996		

Design Criteria Data

	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	82	64	62	7.5	WNW
0.4% Occurrence	74	61	58	8.4	WNW
1.0% Occurrence	70	59	58	8.3	WNW
2.0% Occurrence	67	57	55	8.1	WNW
Mean Daily Range	9	-	-	-	-
97.5% Occurrence	25	22	12	7.6	N
99.0% Occurrence	19	17	9	8.2	N
99.6% Occurrence	14	12	6	8.7	N
Median of Extreme Lows	11	9	5	8.9	N
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T_{wb})	(°F)				
Median of Extreme Highs	66	78	74	7.9	WNW
0.4% Occurrence	62	71	66	7.8	WNW
1.0% Occurrence	60	67	64	7.7	WNW
2.0% Occurrence	59	65	63	7.6	WNW
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)	(gr/lb)				
Median of Extreme Highs	78	69	0.52	6.3	WNW
0.4% Occurrence	72	64	0.49	6.6	WNW
1.0% Occurrence	69	62	0.47	7.3	SE
2.0% Occurrence	67	61	0.45	8.0	SE
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		0	7	0	2

Other Site Data

Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	1.0	100	0.0 + 0.0
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
48.6	N/A	N/A	34

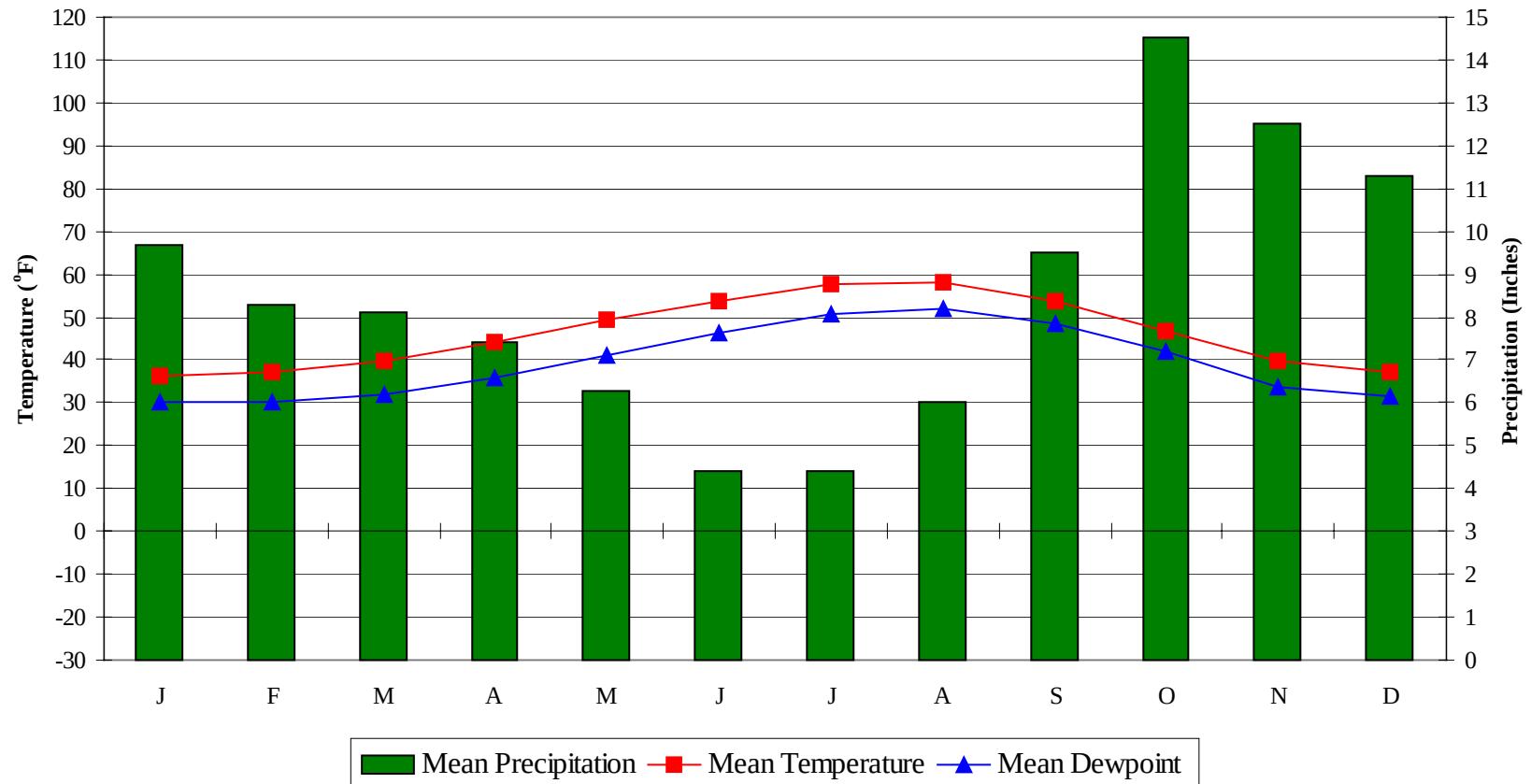
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

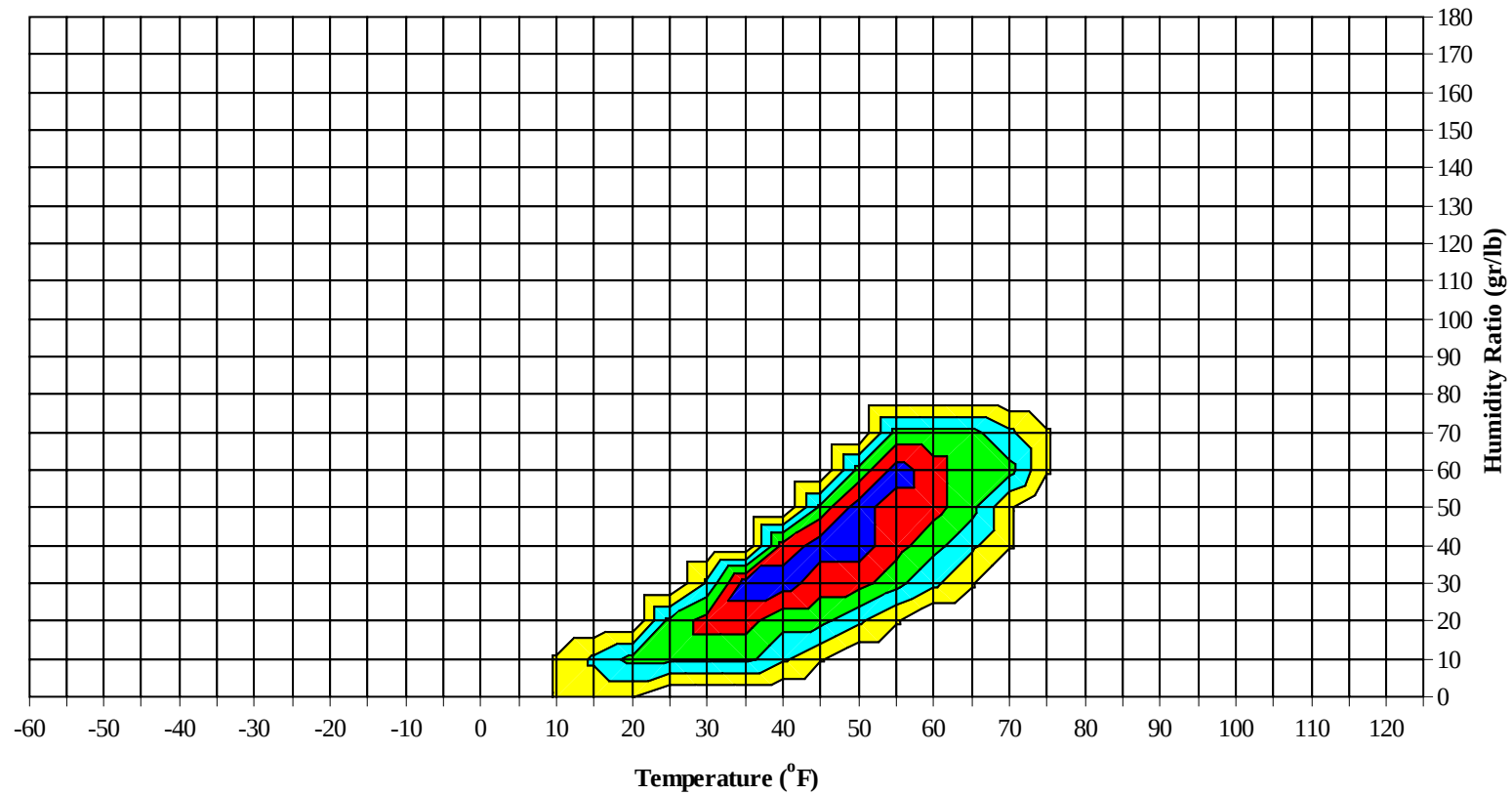


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Long Term Psychrometric Summary



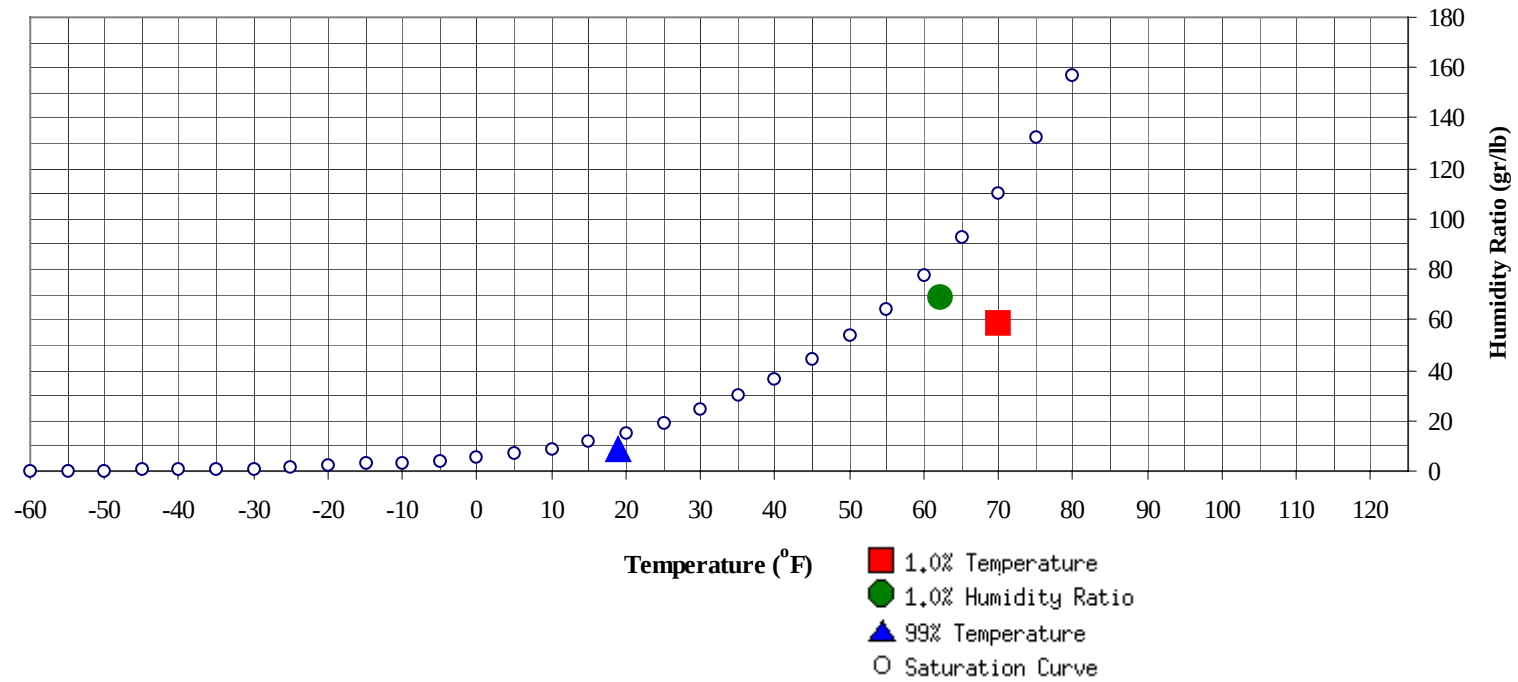
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values



99% Dry Bulb	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
	19	8.5	5.9		69.3	62.3	59	57	25.7

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	70	58.5	59.3	25.9

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Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	January					February					March				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
85 / 89															
80 / 84															
75 / 79															
70 / 74															
65 / 69															
60 / 64						0	0		0	50.2		0	0	0	48.7
55 / 59	1	1	2	3	46.1	1	1	0	2	47.1	0	1	0	1	45.2
50 / 54	3	5	6	14	44.3	3	5	4	12	44.2	2	12	5	20	43.0
45 / 49	26	32	26	84	43.6	24	39	24	86	42.9	19	61	33	112	42.1
40 / 44	59	71	61	191	40.0	52	69	66	187	39.5	75	101	89	265	39.2
35 / 39	55	61	57	174	35.0	60	59	70	188	34.6	84	56	86	225	34.7
30 / 34	49	42	48	139	30.6	43	32	40	114	30.1	50	14	27	92	30.3
25 / 29	24	19	28	71	24.9	22	11	11	44	24.8	14	3	5	23	25.2
20 / 24	14	8	9	31	20.4	9	5	6	19	19.0	3	0	2	5	20.1
15 / 19	9	6	6	20	15.2	7	3	2	12	15.3	1	0	0	1	14.7
10 / 14	5	2	4	11	10.3	3	1	2	6	9.6	0			0	11.0
5 / 9	2	1	2	5	6.8	1	0	0	1	5.6					
0 / 4	0			0	3.5	0			0	2.0					
-5 / -1															

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	April					May					June				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
85 / 89												0	0	0	62.5
80 / 84							0	0	0	61.0		1	0	1	63.6
75 / 79		0	0	0	53.7		1	0	1	58.7		3	2	5	60.2
70 / 74		1	2	3	52.1		2	2	4	56.3	0	6	4	9	58.3
65 / 69	0	3	2	5	50.5	0	7	4	11	53.9	1	14	10	25	56.2
60 / 64	0	6	3	9	48.7	1	17	11	29	51.2	6	38	23	66	53.8
55 / 59	2	13	5	19	47.0	7	41	23	70	49.4	28	83	51	162	51.5
50 / 54	7	38	22	66	44.8	41	95	62	199	46.9	122	79	91	293	49.3
45 / 49	46	93	65	204	42.8	117	71	98	286	44.4	74	15	53	142	45.8
40 / 44	97	71	95	263	39.6	68	14	42	124	40.6	11	1	6	17	41.8
35 / 39	70	15	42	127	35.6	14	1	6	20	36.7	0			0	38.0
30 / 34	17	2	5	24	31.6	0			0	32.2					
25 / 29	1	0	0	1	27.4	0			0						
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	July					August					September				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
85 / 89		0	0	0	64.6		0	0	0	67.2					
80 / 84		2	2	4	63.3		2	2	4	65.1		0		0	60.0
75 / 79	0	4	4	8	62.5		7	6	12	63.6		2	0	2	60.9
70 / 74	0	14	10	23	60.6	0	14	9	23	61.3		4	2	6	59.5
65 / 69	2	31	21	54	58.0	2	36	23	61	58.6	0	12	5	18	56.9
60 / 64	15	72	39	126	55.8	21	76	51	148	56.4	3	36	18	58	54.7
55 / 59	107	94	95	296	53.8	113	93	94	299	54.4	41	98	73	213	53.3
50 / 54	111	31	72	213	50.9	101	21	62	184	51.3	121	77	110	308	50.5
45 / 49	13	1	6	20	46.5	11	0	2	12	46.6	57	11	27	95	46.2
40 / 44	0		0	0	41.8	0			0	42.3	15	0	4	18	41.7
35 / 39											2		0	2	37.6
30 / 34											0			0	
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	October					November					December				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01	09	17			01	09	17			01	09	17		
	To 08	To 16	To 00			To 08	To 16	To 00			To 08	To 16	To 00		
85 / 89															
80 / 84															
75 / 79															
70 / 74															
65 / 69	0	0		0	54.8										
60 / 64	0	3	2	5	52.5										
55 / 59	7	16	11	34	51.3	0	1	2	3	44.5		0		0	48.3
50 / 54	53	92	63	209	49.0	10	15	12	37	47.6	2	1	2	4	44.6
45 / 49	90	97	98	286	44.8	46	57	41	143	44.2	29	33	28	89	44.1
40 / 44	58	30	51	140	40.7	70	79	65	215	39.9	69	78	62	209	39.9
35 / 39	30	7	19	55	36.0	52	52	60	164	35.3	66	72	75	214	35.4
30 / 34	7	2	2	11	31.1	35	23	34	91	30.3	42	35	40	117	30.9
25 / 29	2	1	2	4	25.3	16	11	16	42	24.1	19	14	22	55	24.8
20 / 24	1	0	0	1	17.8	8	2	7	18	19.2	11	9	9	30	19.4
15 / 19	0		0	0	17.7	2	1	4	7	14.5	7	4	7	18	14.7
10 / 14						1	0	0	1	11.1	3	2	2	7	10.6
5 / 9						0	0	0	0	5.2	1	1	0	2	5.0
0 / 4						0	0		0	0.4			0	0	2.0
-5 / -1						0	0		0	-3.1					

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
85 / 89		1	0	1	65.0
80 / 84		4	4	8	64.1
75 / 79	0	16	13	29	62.1
70 / 74	1	41	27	69	60.0
65 / 69	5	105	62	172	57.3
60 / 64	47	248	140	435	55.0
55 / 59	304	441	345	1089	53.0
50 / 54	578	471	505	1554	49.2
45 / 49	551	507	509	1567	44.2
40 / 44	574	512	553	1639	39.9
35 / 39	433	321	419	1174	35.2
30 / 34	244	149	197	590	30.5
25 / 29	96	59	82	237	24.8
20 / 24	47	24	35	106	19.6
15 / 19	24	13	18	56	15.0
10 / 14	12	6	9	27	10.3
5 / 9	4	2	2	8	6.1
0 / 4	0	0	0	0	1.4
-5 / -1	0	0		0	-3.1

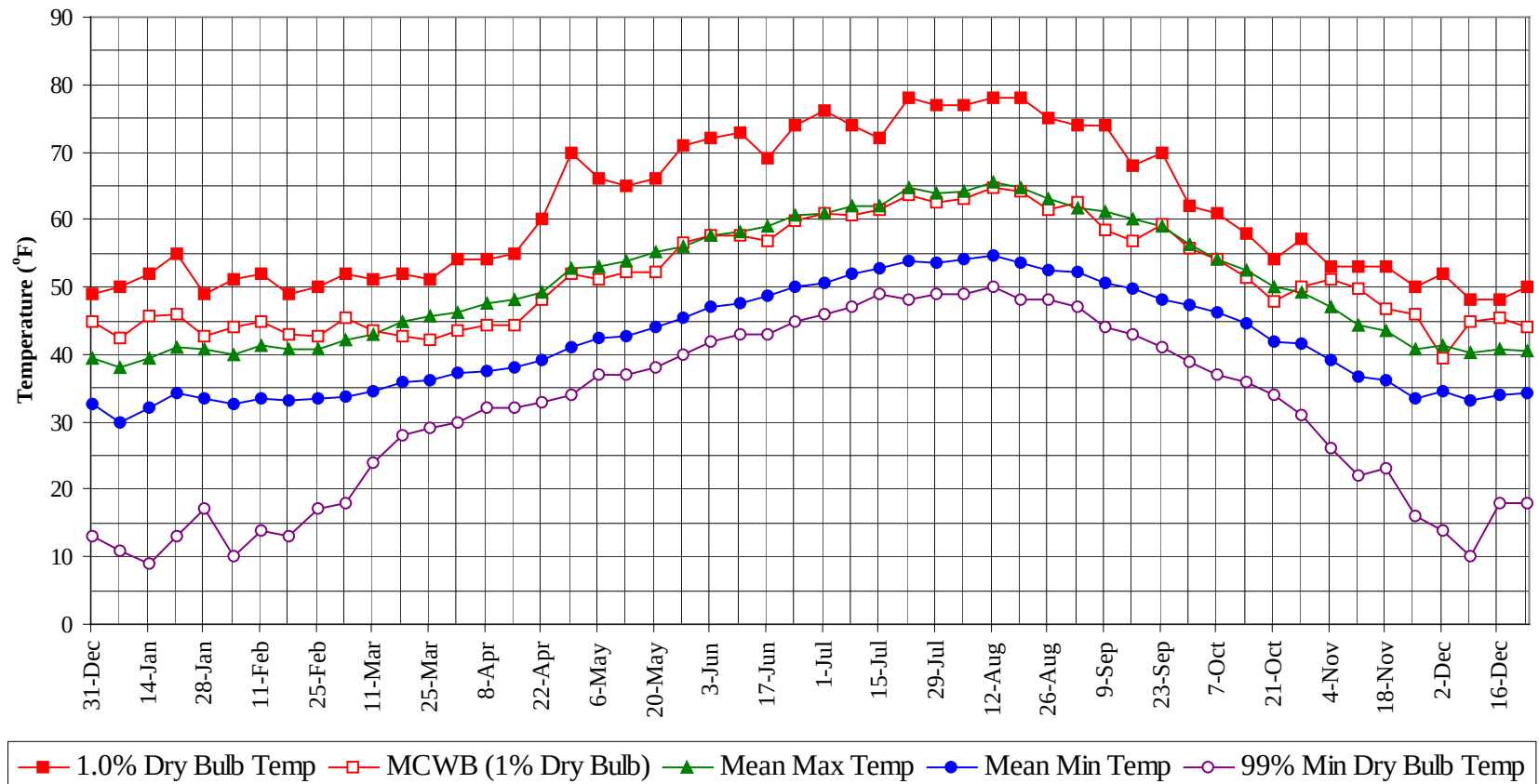
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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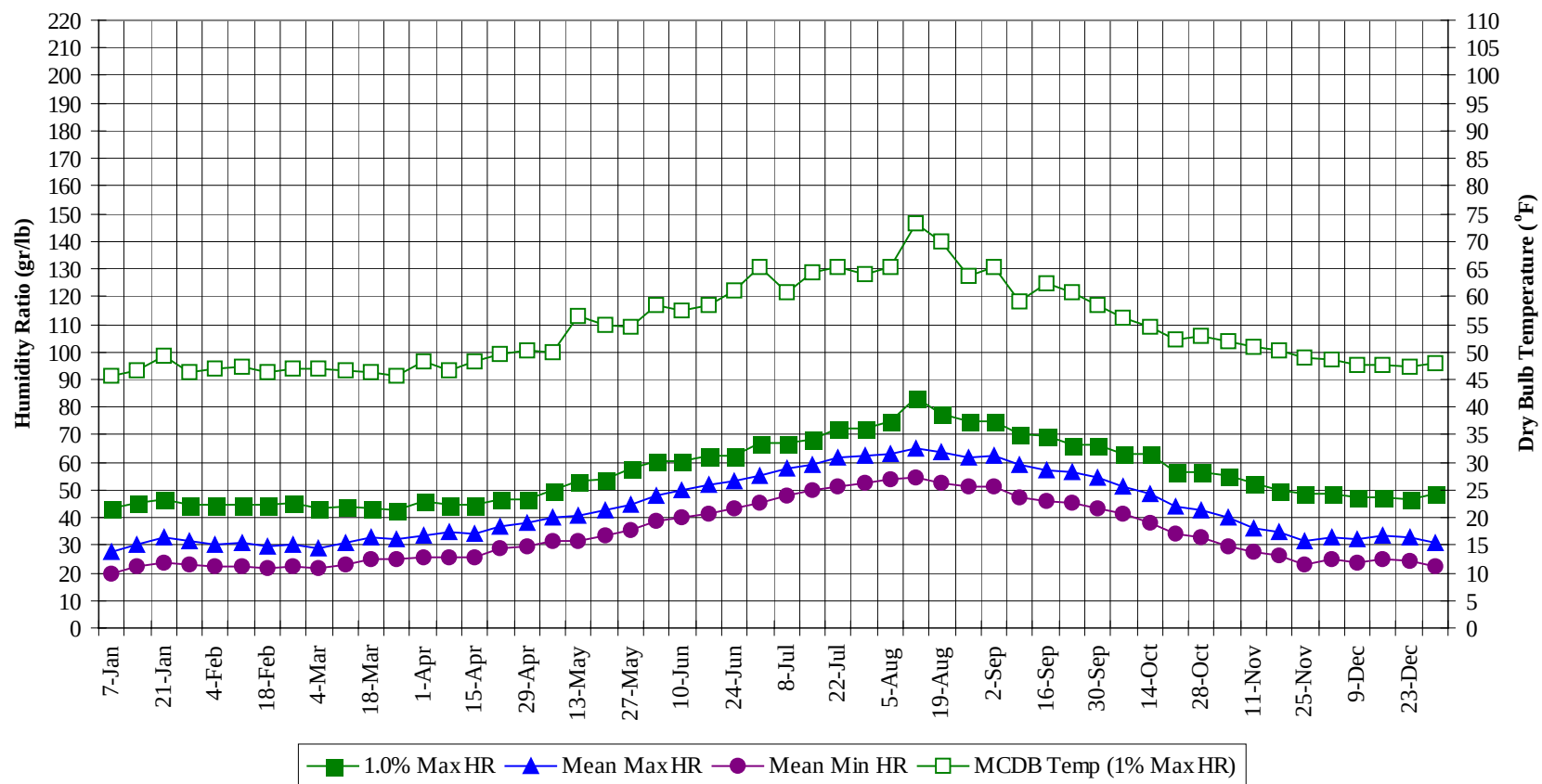
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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



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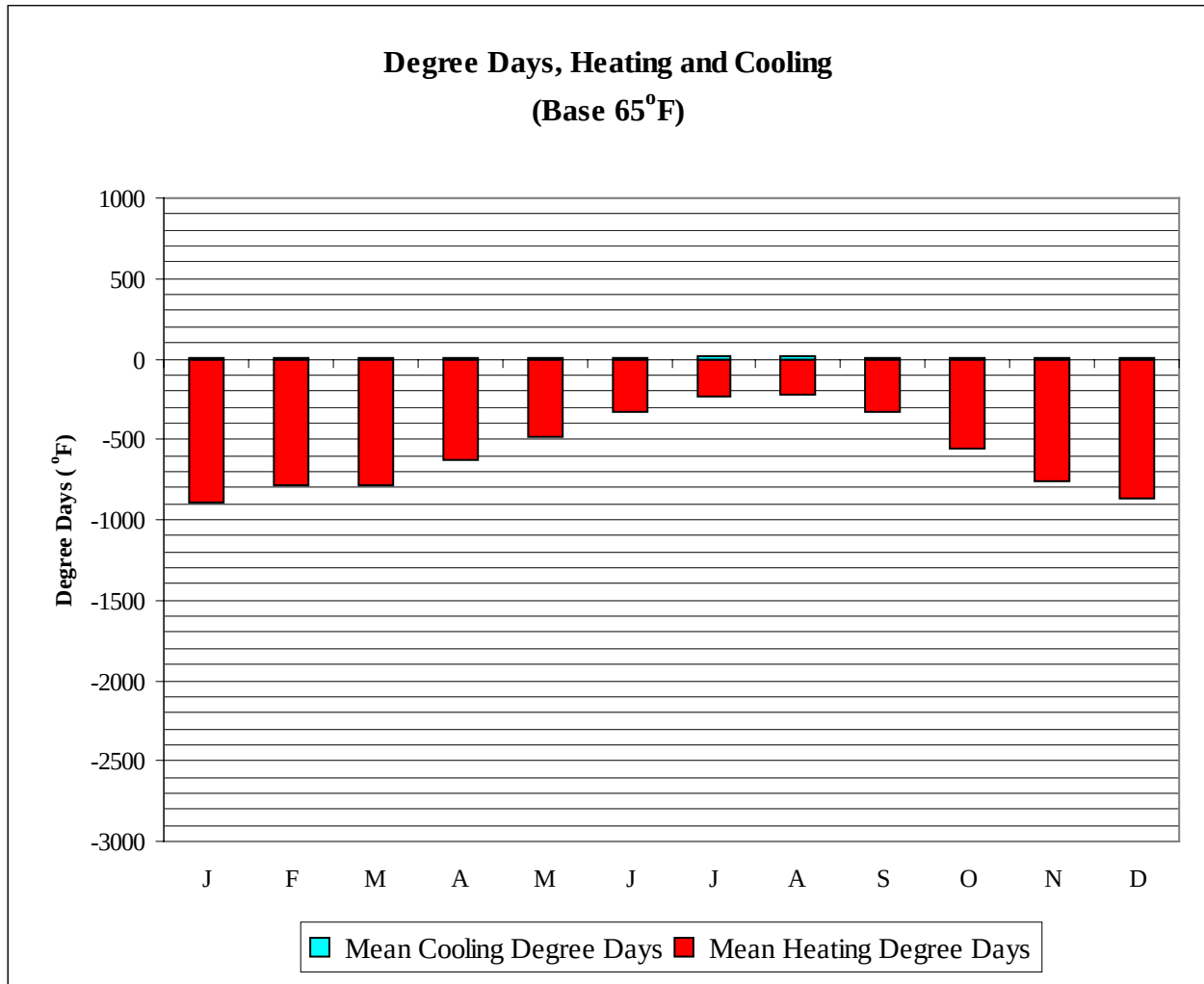
Long Term Dry Bulb Temperature and Humidity Summary

Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	50.0	42.5	38.1	29.9	11.0	43.4	45.7	27.8	19.4
14-Jan	52.0	45.7	39.5	32.0	9.0	45.5	46.7	30.4	22.4
21-Jan	55.0	46.0	41.2	34.3	13.0	46.9	49.3	32.6	23.8
28-Jan	49.0	42.8	40.8	33.6	17.0	44.8	46.2	31.6	23.0
4-Feb	51.0	44.0	40.1	32.7	10.0	44.8	46.9	29.9	22.4
11-Feb	52.0	45.0	41.4	33.6	14.0	44.8	47.3	30.8	22.3
18-Feb	49.0	43.0	40.9	33.2	13.0	44.8	46.3	29.7	22.0
25-Feb	50.0	42.7	40.7	33.4	17.0	45.5	47.0	30.4	22.4
4-Mar	52.0	45.3	42.1	33.7	18.0	43.4	46.8	29.2	21.5
11-Mar	51.0	43.4	43.0	34.6	24.0	44.1	46.8	31.2	22.8
18-Mar	52.0	42.6	44.9	36.0	28.0	43.4	46.3	33.0	24.7
25-Mar	51.0	42.3	45.7	36.1	29.0	42.7	45.6	32.3	24.7
1-Apr	54.0	43.4	46.2	37.3	30.0	46.2	48.3	33.7	25.5
8-Apr	54.0	44.4	47.5	37.7	32.0	44.8	46.7	34.6	25.9
15-Apr	55.0	44.5	48.2	38.2	32.0	44.8	48.4	34.5	25.7
22-Apr	60.0	48.0	49.2	39.2	33.0	46.9	49.6	37.0	28.6
29-Apr	70.0	51.8	52.9	41.1	34.0	46.9	50.4	38.1	29.3
6-May	66.0	51.0	53.1	42.3	37.0	49.7	49.9	40.4	31.6
13-May	65.0	52.1	53.8	42.7	37.0	53.2	56.6	40.8	31.5
20-May	66.0	52.1	55.1	43.9	38.0	53.9	54.9	42.5	33.4
27-May	71.0	56.6	56.0	45.4	40.0	58.1	54.7	44.9	35.7
3-Jun	72.0	57.7	57.7	46.9	42.0	60.2	58.4	48.1	39.1
10-Jun	73.0	57.6	58.3	47.6	43.0	60.2	57.5	49.6	40.0
17-Jun	69.0	56.8	59.0	48.8	43.0	62.3	58.4	51.8	41.7
24-Jun	74.0	59.8	60.5	50.0	45.0	62.3	61.2	53.2	43.1
1-Jul	76.0	60.8	60.9	50.6	46.0	67.2	65.3	55.4	45.4
8-Jul	74.0	60.6	62.0	51.9	47.0	67.2	60.7	57.5	47.7
15-Jul	72.0	61.5	62.0	52.6	49.0	68.6	64.4	59.2	49.7
22-Jul	78.0	63.6	64.8	53.7	48.0	72.1	65.5	61.6	51.4
29-Jul	77.0	62.5	63.9	53.5	49.0	72.1	64.2	62.5	52.3
5-Aug	77.0	63.1	64.0	54.1	49.0	74.9	65.3	63.3	53.6
12-Aug	78.0	64.8	65.6	54.5	50.0	83.3	73.3	65.0	54.5
19-Aug	78.0	64.2	64.7	53.6	48.0	77.7	69.9	63.4	52.8
26-Aug	75.0	61.5	63.0	52.6	48.0	74.9	63.6	61.8	51.1
2-Sep	74.0	62.6	61.8	52.2	47.0	74.9	65.3	62.2	51.3
9-Sep	74.0	58.5	61.2	50.5	44.0	70.0	59.1	58.9	47.6
16-Sep	68.0	56.7	60.1	49.8	43.0	69.3	62.3	57.3	46.1
23-Sep	70.0	59.3	59.0	48.2	41.0	66.5	60.6	56.2	45.1
30-Sep	62.0	55.7	56.3	47.2	39.0	66.5	58.4	54.6	43.3
7-Oct	61.0	54.2	54.2	46.3	37.0	63.0	56.3	51.1	41.1
14-Oct	58.0	51.3	52.5	44.5	36.0	63.0	54.4	48.6	37.9
21-Oct	54.0	47.8	50.0	41.7	34.0	56.7	52.4	44.2	33.9
28-Oct	57.0	50.0	49.1	41.7	31.0	56.7	52.8	42.9	32.6
4-Nov	53.0	51.2	47.2	39.2	26.0	55.3	51.7	40.1	29.8
11-Nov	53.0	49.9	44.3	36.8	22.0	52.5	51.0	35.9	27.3
18-Nov	53.0	46.7	43.4	36.2	23.0	49.7	50.1	35.1	26.3
25-Nov	50.0	46.0	40.7	33.5	16.0	48.3	49.1	31.4	23.2
2-Dec	52.0	39.4	41.2	34.6	14.0	48.3	48.5	32.7	24.6
9-Dec	48.0	44.9	40.3	33.3	10.0	47.6	47.6	32.2	23.5
16-Dec	48.0	45.4	40.7	34.1	18.0	47.6	47.5	33.4	24.9
23-Dec	50.0	43.9	40.6	34.2	18.0	46.9	47.3	32.6	24.6
31-Dec	49.0	44.8	39.5	32.5	13.0	48.3	48.0	30.6	22.5

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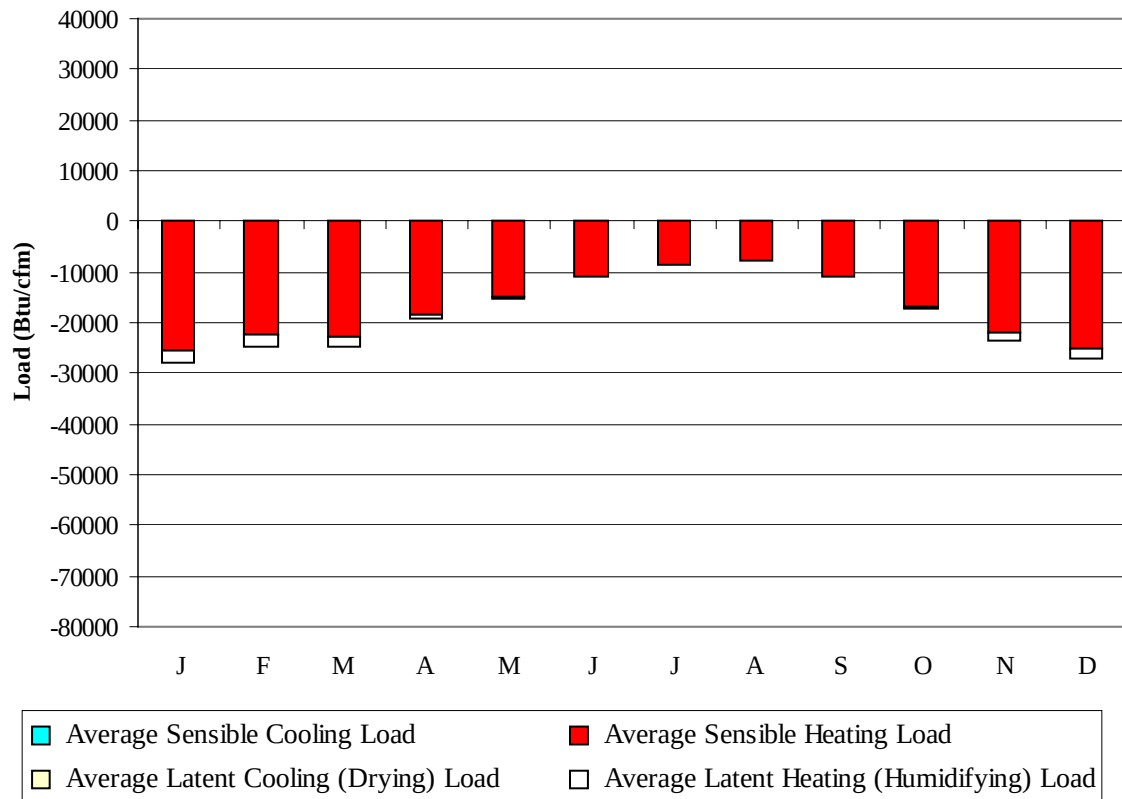
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	896
FEB	0	780
MAR	0	780
APR	1	625
MAY	2	486
JUN	6	334
JUL	13	237
AUG	15	221
SEP	3	334
OCT	0	557
NOV	0	759
DEC	0	869
ANN	40	6878

ANNETTE ISLAND

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Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	Average Sensible Cooling Load	Average Sensible Heating Load	Average Latent Cooling Load	Average Latent Heating Load
	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)
JAN	0	-25630	0	-2455
FEB	0	-22425	0	-2251
MAR	0	-22637	0	-1932
APR	0	-18534	0	-858
MAY	2	-14989	0	-162
JUN	10	-10919	0	-7
JUL	27	-8373	0	0
AUG	33	-7943	8	-1
SEP	3	-10944	0	-19
OCT	0	-16841	0	-323
NOV	0	-22001	0	-1604
DEC	0	-24945	0	-2113
ANN	75	-206181	8	-11725

Average Annual Solar Radiation – Nearest Available Site

(Source: National Renewable Energy Laboratory, Golden CO, 1995)

City: ANNETTE
 State: AK
 WBAN No: 25308
 Lat(N): 55.03
 Long(W): 131.57
 Elev(ft): 112

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.123
 Vert Gap: 0.2

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day), Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Global	190	390	710	1120	1480	1590	1540	1260	870	450	230	140	830
	Std Dev	32	68	90	126	118	180	189	133	90	41	37	18	41
	Minimum	130	270	520	850	1260	1290	1120	1010	680	390	180	100	740
	Maximum	270	520	930	1400	1700	2020	1880	1530	1040	550	340	180	890
	Diffuse	130	250	430	600	760	860	820	670	480	310	160	100	470
Clear Day	Global	310	630	1190	1870	2400	2630	2500	2030	1400	780	370	230	1360
NORTH	Global	76	140	250	370	520	600	570	430	290	170	91	58	300
	Diffuse	76	140	250	360	460	520	500	400	290	170	91	58	280
Clear Day	Global	73	130	230	370	620	800	720	440	260	160	82	57	330
EAST	Global	150	290	480	710	870	900	880	780	560	310	170	110	520
	Diffuse	94	170	300	430	540	590	570	470	340	210	110	71	330
Clear Day	Global	360	620	1010	1400	1640	1740	1680	1470	1120	710	400	280	1040
SOUTH	Global	430	640	810	920	950	900	920	860	580	450	330	730	
	Diffuse	160	250	370	480	560	590	580	500	400	280	170	130	370
Clear Day	Global	1380	1770	1980	1830	1590	1450	1490	1680	1890	1820	1470	1210	1630
WEST	Global	150	290	490	740	960	1000	990	830	600	310	170	110	560
	Diffuse	94	170	300	440	550	610	580	480	350	210	110	72	330
Clear Day	Global	360	620	1010	1400	1640	1740	1680	1470	1120	710	400	280	1040

Average Annual Solar Heat and Illumination – Nearest Available Site

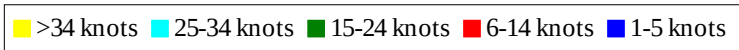
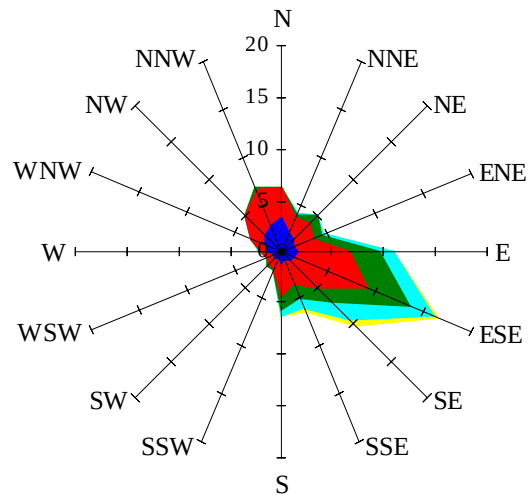
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	110	240	480	780	1050	1130	1090	890	600	300	140	82	580
NORTH	Unshaded	52	99	170	250	350	400	380	290	200	120	63	40	200
	Shaded	52	97	170	250	340	400	370	280	190	120	62	40	200
EAST	Unshaded	100	200	340	510	620	640	630	550	400	210	120	72	370
	Shaded	99	200	340	500	610	630	620	550	390	210	120	71	360
SOUTH	Unshaded	330	480	590	640	640	600	620	630	620	430	340	260	510
	Shaded	330	470	580	640	630	590	600	630	610	430	340	250	510
WEST	Unshaded	100	200	350	530	690	710	710	590	430	220	120	72	390
	Shaded	100	200	340	520	680	700	700	590	420	220	120	72	390

AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	30	50	55	41	13	54	77	88	82	60
	M.Cloudy	15	29	32	21	8	30	45	52	51	37
NORTH	M.Clear	8	11	11	10	5	11	14	15	15	12
	M.Cloudy	7	11	12	9	4	12	16	17	17	13
EAST	M.Clear	64	43	11	10	5	83	64	21	15	12
	M.Cloudy	17	20	12	9	4	29	32	19	17	13
SOUTH	M.Clear	46	80	88	63	19	21	53	68	59	30
	M.Cloudy	14	29	33	21	7	14	28	36	34	19
WEST	M.Clear	8	11	25	60	46	11	14	15	54	80
	M.Cloudy	7	11	16	20	12	12	16	17	32	36
M.Clear	(% hrs)	16	16	15	17	17	15	16	16	18	20
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	27	53	64	57	32	1	14	16	5	0
	M.Cloudy	14	28	34	32	18	1	9	9	3	0
NORTH	M.Clear	8	11	13	12	8	0	5	6	2	0
	M.Cloudy	6	11	12	12	8	0	4	4	1	0
EAST	M.Clear	68	60	17	12	8	4	20	6	2	0
	M.Cloudy	17	23	14	12	8	1	6	4	1	0
SOUTH	M.Clear	30	69	86	75	38	4	55	60	22	0
	M.Cloudy	11	25	33	30	14	1	12	13	4	0
WEST	M.Clear	8	11	13	53	69	0	5	16	18	0
	M.Cloudy	6	11	12	24	21	0	4	6	3	0
M.Clear	(% hrs)	16	18	20	19	21	14	14	14	14	17

Wind Summary - December, January, and February

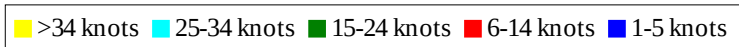
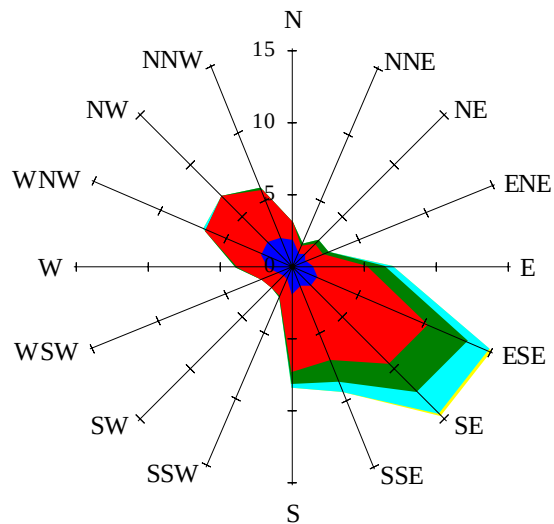
Labels of Percent Frequency on North Axis



Percent Calm = 7.56

Wind Summary - March, April, and May

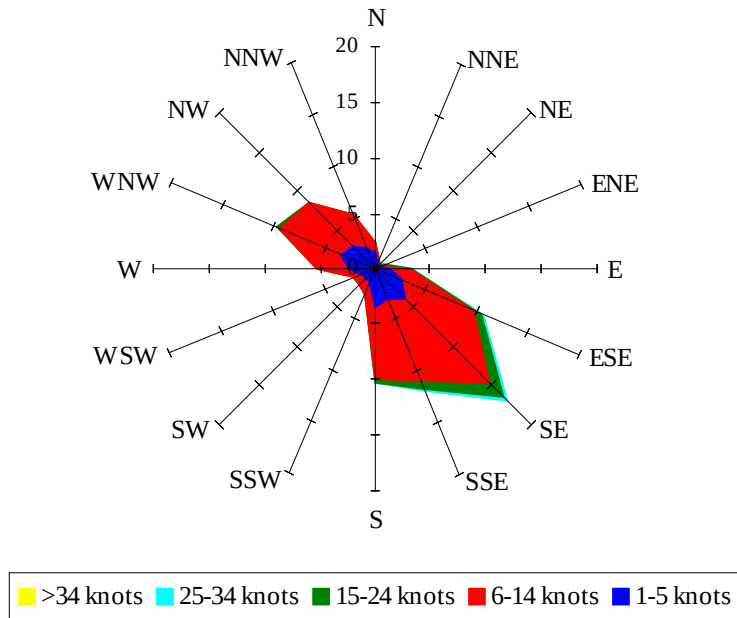
Labels of Percent Frequency on North Axis



Percent Calm = 6.97

Wind Summary - June, July, and August

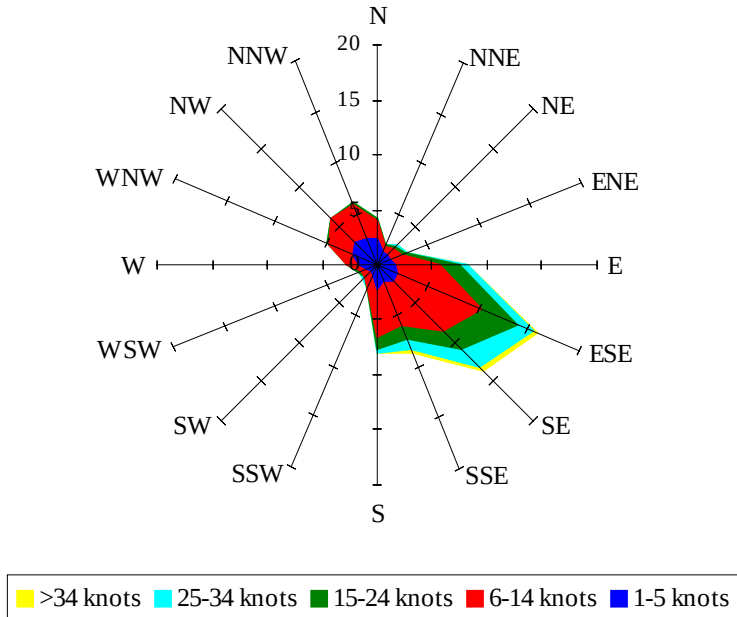
Labels of Percent Frequency on North Axis



Percent Calm = 7.56

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 8.83